

EQUIPMENT LIST "C"

F H W A	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
REGION NO.				
3	MD	SEE TITLE SHEET		

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7941 CONNELLEY DRIVE, HANOVER, MARYLAND 21076.

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION	SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION
806	960022	2 EACH	12 IN., 1-WAY, 3-SECTION (R.Y.G.) SIGNAL HEAD MAST ARM MOUNT	104	120500	L.S.	MAINTENANCE OF TRAFFIC		
806	960023	3 EACH	12 IN., 1-WAY, 3-SECTION (RA.YA.GA.) SIGNAL HEAD MAST ARM MOUNT	104	114245	176 L.F.	FURNISH AND INSTALL 24" WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE (STOP LINE).	4	STEEL STRAIN POLE
806	960019	2 EACH	12 IN., 1-WAY, 4-SECTION (R.Y.G.GA.) SIGNAL HEAD SPAN MOUNT POLYCARBONATE	205	203030	3 C.Y.	TEST PIT EXCAVATION	1	TRAFFIC SIGNAL CONTROLLER AND CABINET.
806	960017	2 EACH	12 IN., 1-WAY, 3-SECTION (RA.YA.GA.) SIGNAL HEAD SPAN MOUNT POLYCARBONATE	801	801004	9 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION		
806	960015	4 EACH	12 IN., 1-WAY, 3-SECTION (R.Y.G.) SIGNAL HEAD SPAN MOUNT POLYCARBONATE	804	837001	5 EACH	FURNISH AND INSTALL GROUND ROD - 3/4 IN. DIAMETER x 10 FT. LENGTH		
806	960048	1 EACH	12 IN., 1-WAY, 2-SECTION PEDESTRIAN SIGNAL HEAD PEDESTAL MOUNT	805	805160	32 L.F.	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE		
806	960068	1 EACH	12 IN., 1-WAY, 2-SECTION PEDESTRIAN SIGNAL HEAD POLE MOUNT	805	800000	760 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED		
806	960049	2 EACH	12 IN., 2-WAY, 2-SECTION PEDESTRIAN SIGNAL HEAD PEDESTAL MOUNT	805	800000	225 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED		
817	965001	2 EACH	PEDESTRIAN PUSHBUTTON AND SIGN.	806	831010	1 EACH	FURNISH AND INSTALL 250 WATT H.P.S. LAMP AND LUMINAIRE		
816	971017	1 EACH	EIGHT PHASE, FULLY-ACTUATED TRAFFIC SIGNAL CONTROLLER IN A NEMA SIZE "6" BASE MOUNTED SYSTEM READY CABINET.	807	807205	1 EACH	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT		
816	900000	5 EACH	FOUR CHANNEL LOOP DETECTOR AMPLIFIERS (DELAY OUTPUT)	810	802501	1260 L.F.	FURNISH AND INSTALL STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)		
813	973023	76.5 S.F.	SHEET ALUMINUM SIGNS	810	861104	1580 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)		
			- 2 EACH D3-2 SIGN (VARIABLE x 32 IN.) - (ADVANCE STREET NAME PANEL) MAST ARM MOUNT	810	861107	150 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)		
			- 1 EACH R3-5R SIGN MODIFIED (30 IN. x 36 IN.) - "LANE USE CONTROL - LEFT ONLY" SPAN WIRE MOUNT	810	861108	1450 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO.14 AWG)		
			- 1 EACH R6-1(L) SIGN (36 IN. x 12 IN.) "ONE WAY" ONE PIECE SHIELD ASSEMBLY ON A BLACK BACKGROUND - (30 IN. x 51 IN.) POLE MOUNT; M3-1 SIGN (24 IN. x 12 IN.) "NORTH" (FOR INDEPENDENT USE) M1-5 SIGN (30 IN. x 24 IN.) "MARYLAND 235" (FOR INDEPENDENT USE) M6-1 SIGN (21 IN. x 15 IN.) "DIRECTIONAL ARROW-HORIZONTAL"	810	861116	90 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO.12 AWG)		
			- 1 EACH R6-1(R) SIGN (36 IN. x 12 IN.) "ONE WAY" ONE PIECE SHIELD ASSEMBLY ON A BLACK BACKGROUND - (48 IN. x 75 IN.) POLE MOUNT; M3-1 SIGN (30 IN. x 15 IN.) "NORTH" (FOR INDEPENDENT USE) M1-5 SIGN (48 IN. x 36 IN.) "MARYLAND 235" (FOR INDEPENDENT USE) M6-1 SIGN (30 IN. x 24 IN.) "DIRECTIONAL ARROW-HORIZONTAL"	810	862101	3550 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO.14 AWG)		
				811	811001	15 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE		
				813	813015	76.5 S.F.	INSTALL OVERHEAD SIGN		
				814	860220	5 EACH	INSTALL SIGNAL HEADS - MAST ARM MOUNT		
				814	860200	7 EACH	INSTALL SIGNAL HEADS - SPAN MOUNT		
				805	805023	60 L.F.	FURNISH AND INSTALL 2" ELECTRICAL CONDUIT - PVC RISER		
				---	800000	2 EACH	FURNISH AND INSTALL 2" WEATHER HEAD		
				---	800000	1 EACH	FURNISH AND INSTALL 3" WEATHER HEAD		
				---	869102	715 L.F.	FURNISH AND INSTALL 3/8" SPAN WIRE		
				814	860048	2 EACH	INSTALL 12 IN. 1 WAY 2 SECTION PEDESTRIAN SIGNAL HEAD PEDESTAL MOUNT		
				814	860049	2 EACH	INSTALL 12 IN. 2 WAY 2 SECTION PEDESTRIAN SIGNAL HEAD PEDESTAL MOUNT		
				815	862102	1200 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)		
				816	871117	1 EACH	INSTALL EIGHT-PHASE (FULLY ACTUATED) CONTROLLER AND CABINET - BASE MOUNTED		
				817	865201	2 EACH	INSTALL PUSHBUTTON & SIGN		
				818	800000	1 EACH	FURNISH AND INSTALL 27 FT. STEEL POLE WITH A SINGLE 70 FT. MAST ARM		
				818	818010	3 EACH	FURNISH AND INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH T-BASE AND ANCHOR BOLTS		
				818	866104	1 EACH	FURNISH AND INSTALL 20 FT. LIGHTING ARM ON SIGNAL STRUCTURE		
				---	800000	L.S.	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT		
				---	800000	927 L.F.	FURNISH AND INSTALL ELECTRICAL OPTICOM DETECTOR CABLE - 4 CONDUCTOR (NO.20 AWG)		
				---	873001	L.S.	REMOVE EXISTING SIGNAL EQUIPMENT TO BE SALVAGED		
				---	800000	2 EACH	FURNISH AND INSTALL 40" CLASS 2 WOOD POLE WITH BACK GUY'S		
				* ---	800000	L.S.	DELIVERY OF SALVAGED MATERIALS		
				---	800000	1 EACH	RELOCATE AND INSTALL OPTICOM DETECTOR		
				805	800000	25 L.F.	FURNISH AND INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED		
				810	810010	30 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 1 CONDUCTOR (NO. 4 A.W.G.)		
				---	800000	7 EACH	COVER SIGNAL HEADS		
								PHASE I TEMPORARY TRAFFIC SIGNAL	
								A. INSTALL CLASS 2 WOOD POLE , 3" RISER, 3" WEATHER HEAD, AND BACK GUY'S AS DIRECTED BY THE ENGINEER.	
								B. INSTALL SIGNAL HEADS, SIGNS, OPTICOM DETECTOR, DOUBLE 3/8" SPAN WIRE AS SHOWN ON THE PLANS	
								C. INSTALL 14" BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEADS (COVER SIGNAL HEADS), PUSH BUTTON AND SIGN AS SHOWN (NOTE: 1 - 2" PVC 90 DEGREE ANGLE CONDUIT BEND).	
								D. INSTALL 14" BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD (COVER SIGNAL HEAD) AS SHOWN. (NOTE: 1 - 2" PVC 90 DEGREE ANGLE CONDUIT BEND).	
								E. INSTALL NEMA SIZE "6" CABINET (NOTE: 2 - 4" AND 2 - 2" 90 DEGREE ANGLE CONDUIT BENDS AND DISTRIBUTION FOR UNDERGROUND FOR UNDERGROUND POWER FEED B 13).	
								F. INSTALL 6" x 30" LOOP DETECTOR, ENCASED IN 1/4" FLEXIBLE TUBING (3,6,3, TURNS) QUADRUPOLE TYPE.	
								G. INSTALL HANDHOLE	
								H. NOT USED.	
								I. INSTALL 1" LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).	
								J. INSTALL 2" SCHEDULE 80 ELECTRICAL CONDUIT -TRENCHED	
								K. INSTALL 3" SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.	
								L. REMOVE AND DISPOSE EXISTING SPAN WIRE, SIGNAL HEADS SIGNS, LIGHTING ARM, AND LUMINAIRES.	
								M. REMOVE AND SALVAGE EXISTING STRAIN POLE.	
								N. REMOVE AND SALVAGE EXISTING CABINET.	
								O. REMOVE EXISTING HANDHOLE	
								P. INSTALL 4" SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.	
								Q. INSTALL CABLE ON EXISTING RISER AND CONNECT TO EXISTING OPTICOM DETECTOR.	
								R. INSTALL 3" RISER WITH 3" WEATHER HEAD.	
								S. INSTALL 27" STEEL POLE WITH 70" MAST ARM, 20" LIGHTING, AND LUMINAIRE, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, AND SIGNS AS SHOWN (NOTE: 1 - 3" PVC 90 DEGREE ANGLE CONDUIT BENDS), AND DOUBLE SPAN WIRE, AND 1-3" WEATHER HEAD. NOTE: COVER SIGNAL HEAD 50 AND PEDESTRIAN SIGNAL HEADS.	
								T. ABANDON EXISTING LOOP DETECTOR.	
								U. INSTALL 24" WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE (STOP LINE).	
								V. INSTALL SPAN WIRE, AND SIGNAL CABLE AS SHOWN.	
								W. INSTALL INTERCONNECT CABLE AS SHOWN.	

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REVISIONS:		APPROVALS:		MDOT - STATE HIGHWAY ADMINISTRATION			
				Office of Traffic & Safety			
		CHIEF SIGNAL DESIGN SECTION		TRAFFIC ENGINEERING DESIGN DIVISION			
				LOG MILE # 18023514.97			
		ASST. DISTRICT ENGINEER TRAFFIC		DRAWN BY: DED/SMH			
				DES. BY: DK/DLA/SMH			
				CHK. BY: BJH			
		CHIEF TRAFFIC ENGINEERING DESIGN DIVISION		MD 235 @ MD 237 / MAPLE RD.			
				SIGNAL PLAN			
				COUNTY: ST. MARY'S			
① Nov. 1, 1998 Reconstruct Due To New Geometrics. SHA No: SM7685270 MAA-MAN-100K-1000		DIRECTOR OFFICE OF TRAFFIC & SAFETY		DATE: MAY 7, 1999		F.A.P. NO. SEE TITLE SHEET	
				SCALE: N.T.S.		S.H.A. NO. SEE TITLE SHEET	
						TS/STD. NO.: 9121-XI-G12	
						SHEET NO. 147 OF 241	